Summer Math Fun: Going into Grade 4

Dear Student and Family,

You have learned so much in math this year! It is important to keep practicing your mathematical knowledge during the summer to be ready to enter your next grade. In this packet you will find short and fun math activities that will help you review and maintain math skills learned throughout this past year.

Some summer math activities have been made as a calendar for the months of July and August. All you have to do is follow the daily calendar and complete the activities. Do your best to complete as many of the activities as you can and have your family help you too! **Hand your work into your teacher during the first week of school to receive a small prize!**

The list of websites below are places you can go to practice your math skills.

- http://bedtimemath.org
  Solve a new math problem every night on this great website that hopes, "To make the nightly math problem as common as the bedtime story".

- https://www.sumdog.com or use the free Sumdog app for tablet/phone
  Students love these math practice games! Sumdog has them practice a variety of math skills through various engaging games. Children can play against each other or against other kids from around the world. Free parent accounts to track your child's progress.

- http://www.ixl.com
  Solve math questions related to grade level standards to earn points. You can answer some questions daily without paying for a membership.

- http://coolmath4kids.com
  This site is like an amusement park for math. There are lots of things for children to explore and problems to solve.

- http://jmathpage.com
  Johnnie's math page has lots of games and activities for elementary children of all ages. Explore interactive games and activities that are designed to provide fun practice to build your child's mathematical knowledge.

- http://teachingtime.co.uk/draggames/sthec2.htm
  This site provides practice telling time.

- http://mathplayground.com
  Fun and challenging math games to give your brain a workout.

Enjoy your summer and keep your skills sharp!

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July 2017

Monday	Tuesday	Wednesday	Thursday	Friday
3 Find the perimeter of your front door and a window in your house.	**4** Write a 5-digit number. Use a 5 in the tens place and a 3 in the hundreds place. Write the number that is 100 more than your number and then write the number that is 100 less than your number.	**5** Jasmine has a bookshelf with 3 shelves. Each shelf has 7 books. How many books does Jasmine have all together?	**6** Round 476 to the nearest tens place. Then round 476 to the nearest hundreds place.	**7** Which number fact goes with this picture? 
10 Add. 469 + 256 Write an addition story problem that could be solved using the numbers above.	**11** Michael thinks that 5 x 8 = 40 and Shelly thinks that 5 x 8 = 35. Who is correct? Explain how you know.	**12** Draw a rhombus. Explain why the shape you drew is a rhombus.	**13** Subtract. 857 – 429 Write a subtraction story problem that could be solved using the numbers above.	**14** Write the time you woke up in the morning. Then write the time you ate lunch. How much time has passed?
17 Divide. $9\overline{)54}$ Write a story problem that could be solved using the expression above.	**18** Write your 4 times tables up to 4 x 10. Explain to a relative or friend how you can use "double, double again" to solve a x4 problem.	**19** Draw a rectangle. Divide it into fourths. Shade in 3/4 of the rectangle. How many fourths are not shaded?	**20** Find at least three pairs of numbers that make this equation true: 10 x __ = 5 x ___ What do you notice?	**21** Max is having trouble remembering the product for 6 x 7. Think of a strategy you can tell Max to help him remember this fact. What is the product?
24 What time is it now? What time will it be in 1 hour and 30 minutes?	**25** Three numbers in a fact family are 9, 3, and 27. Write two multiplication number sentences and two division sentences using these numbers.	**26** Roll 2 number cubes. Multiply the numbers and record the products. Do this 25 times. Write a story problem for one of your rolls.	**27** Use a ruler to draw a rectangle measuring 12 cm long and 4 cm in wide. Find the perimeter of the rectangle. Draw a new rectangle with different side lengths that has the same area.	**28** Kim has 4 boxes of crayons. Each box has 8 crayons. How many crayons in all? Solve the problem. Then write a different story problem using the same numbers.
31 In which number does 5 have the GREATEST value? a. 457 b. 895 c. 512 d. 59				

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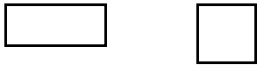
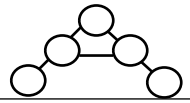
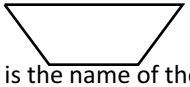
August 2017

Monday	*Tuesday*	Wednesday	Thursday	Friday
	1 Draw a picture that has at least 4 different quadrilaterals. Have a friend or relative find the quadrilaterals in your drawing.	**2** Draw a clock face. Draw hands on the clock to show 4:25 p.m.	**3** Melanie needs to give her sister half of a sandwich. She cut the sandwich in 4 equal pieces. Her sister thinks Melanie made a mistake. Can Melanie give her sister half? Explain how.	**4** Steven has 36 cookies. He wants to put 9 cookies on a plate. How many plates will he need?
7 Find four 3-digit numbers in the newspaper, in your neighborhood, or on the Intranet. Put the numbers in order from **greatest** to **least**.	**8** How are these two shapes different? How are they alike? 	**9** Write a different number in each circle so that the sum of the numbers along each line is 13. 	**10** How many angles does this shape have? How many sides? How many vertices?  What is the name of the shape?	**11** How can you use 999-137 to help you subtract 1000-137?
14 How many feet do 10 chickens have? How many feet do 10 cows have?	**15** Find all of the combinations you can to make this equation true. ___ + ___ = 4 x 5	**16** Explain to a friend or relative the difference between area and perimeter.	**17** Name four fractions that equal 1. Draw a picture or number line to prove you are correct.	**18** Make up a song, dance, or rhyme to help practice your trickiest multiplication or division fact.
21 Make a number line, bar model or array to show 7 x 8 = 56.	**22** Measure five things in your house to the nearest quarter-inch.	**23** If you brush your teeth twice a day, how many times have you brushed your teeth this summer?	**24** Model the fraction $\frac{3}{4}$ using a number line, a rectangle shape and a set of objects.	**25** Draw base-ten blocks to show the number 357. Write the number in expanded form.